



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/691,803

10/21/2003

Andrew Gattuso

6657

25859

7590

07/07/2006

WEI TE CHUNG  
FOXCONN INTERNATIONAL, INC.  
1650 MEMOREX DRIVE  
SANTA CLARA, CA 95050

EXAMINER

NASRI, JAVAID H

ART UNIT

PAPER NUMBER

2839

DATE MAILED: 07/07/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

10/691,803

Applicant(s)

GATTUSO ET AL.

Examiner

Javaid Nasri

Art Unit

2839

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 22 May 2006.  
2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.  
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-11 and 13-20 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
5) ☒ Claim(s) 19 and 20 is/are allowed.  
6) ☒ Claim(s) 1,2,5-8,11,13 and 16-18 is/are rejected.  
7) ☒ Claim(s) 3,4,9,10,14 and 15 is/are objected to.  
8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.  
10) ☒ The drawing(s) filed on 21 October 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |   |   |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                        | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)    | Paper No(s)/Mail Date. _____  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____   | 6) <input type="checkbox"/> Other: _____                                    |

## DETAILED ACTION

### *Claim Objections*

1. Claims 11 and 13-18 are objected to because of the following informalities:
  - a) In claim 11, line 7, change “fist position” to -- first position --.  
(Mentioned in previous office action).
  - b) In claim 11, line 9, an actuator is already on line 6.  
(Newly added by applicant)

**Note: These are few examples only. Applicant is required to check all the claims and correct them accordingly.**

### *Claim Rejections - 35 USC § 102*

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1 and 5-7 are rejected under 35 U.S.C. 102(b) as being anticipated by Chu (6,449,157, cited in IDS).

Chu discloses, **for claim 1**, an electrical connector for holding an IC package (4) with a plurality of conductive members, the electrical connector comprising a base (2, see note below) receiving a plurality of terminals (20) for engaging corresponding conductive members; an actuator (6) mounted on the electrical connector and comprising a frame; and at least one latch (60) comprising a body, the body provided on the frame and having a latching portion to hold on the

Art Unit: 2839

base so as to hold the actuator on the electrical connector (see figure 5), **for claim 5**, the body is integrally disposed on the frame, the latching portion is formed at one end of the body (see figure 1), **for claim 6**, the body is resiliently movable relative to the frame and forms a handle portion on a side thereof (any part can be read as a handle), **for claim 7**, the base (2) defines a cutout (24, see note below) at one edge thereof and forms an engaging portion in the cutout,

4. Claims 1, 2, 5-8, 11, 13 and 16-18 are rejected under 35 U.S.C. 102(b) as being anticipated by Matsuoka (5,364,286, cited in IDS).

Matsuoka discloses, **for claim 1**, an electrical connector for holding an IC package (2) with a plurality of conductive members, the electrical connector comprising a base (4) receiving a plurality of terminals for engaging corresponding conductive members; an actuator (3A) mounted on the electrical connector and comprising a frame; and at least one latch (22) comprising a body, the body provided on the frame and having a latching portion to hold on the base so as to hold the actuator on the electrical connector (see figures 7 and 8), **for claim 2**, the body is pivotally disposed on the frame, the latching portion is formed at one end of the body (see figure 7, see note below), **for claim 5**, the body is integrally disposed on the frame, the latching portion is formed at one end of the body (see figure 7), **for claim 6**, the body is resiliently movable relative to the frame and forms a handle portion on a side thereof (any part can be read as a handle), **for claim 7**, the base defines a cutout (at 32, see figure 1) at one edge thereof and forms an engaging portion in the cutout, **for claim 8**, a cover (30) slidably mounted on the base, a lid (25) movably attached to the base, transmitting members (5) movably attached to the base and the lid and adapted for transmitting a force acted on the lid to the cover to urge the cover to slide relative to the base from a first position to a second position, and spring

Art Unit: 2839

members (29) disposed on the base and lid and adapted for urging the lid to drive the cover to slide relative to the base from the second position to the first position via said transmitting members (see note below), **for claim 11**, an electrical connector comprising a base (see figure 7), a cover (30) horizontally slidably mounted on the base, and a lid (25) vertically movably held on the base and urging the cover to move relative to the base between a first position and a second position; an actuator (3A) mounted on the electrical connector and urging the lid to drive the cover to move relative to the base between the first position and the second position; an actuator assembled to the housing; and at least one latch (22) having one end disposed on the actuator and another end forming a latching portion adapted to hold on the base of the electrical connector, thereby holding the actuator on the electrical connector, **for claim 13** the one end of the body is pivotally disposed on the actuator, (see figure 7, see note below), **for claim 16**, the one end of body is integrally disposed on the actuator, **for claim 17**, the body is resiliently (the amount of resiliency is not defined) movable relative to the frame and forms a handle portion (any part can be read on a handle) on a side thereof, **for claim 18**, the base defines a cutout (at 32, see figure 1) at one edge thereof and an engaging portion in the cutout,

Note: USPTO interprets claims, giving claims their “broadest reasonable interpretation.”

(See, e.g., *In re Morris*, 127 F.3d 1048, 1054-55 (Fed. Cir. 1997)).

#### *Allowable Subject Matter*

5. Claims 19 and 20 are allowed.

6. Claims 3, 4, 9, 10, 14 and 15 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

### REASONS FOR ALLOWANCE

7. The following is an examiner's statement of reasons for allowance:

The reason for allowance of the claims is the inclusion of the limitation,

- a) For claim 3, none of the prior art teaches or suggest, alone or in combination the frame defines an opening and bores at opposite sides of the opening, the body defines a through hole corresponding to the bores, in combination with other limitations in the claim which is not found in the prior art reference of record.
- b) For claim 9, none of the prior art teaches or suggest, alone or in combination the actuator having a twin urging member rotatably installed on the frame, the twin urging member having a large cam and a small cam with **a common shaft** immovably connected to the large cam, in combination with other limitations in the claim which is not found in the prior art reference of record.
- c) For claim 14, none of the prior art teaches or suggest, alone or in combination the frame having an opening and bores at opposite sides of the opening, the one end of the body defines a through hole corresponding to the bores, in combination with other limitations in the claim which is not found in the prior art reference of record.
- d) For claim 19, none of the prior art teaches or suggest, alone or in combination a retention mechanism being mounted on the actuator and being equipped with a resiliency device to urge the heat sink toward and package to tightly abut against the IC, in combination with other limitations in the claim which is not found in the prior art reference of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Response to Arguments***

8. Applicant's arguments filed 5/22/2006 have been fully considered but they are not persuasive.

Regarding applicant's comments:

- a) In the rejection of claim 1, the base is element 2 and not element 3, see figure 5 of Chu, latch 60 holds base 2. (See note below).
- b) Regarding reference Matsuoka, and claims 1 and 11, the claims do not say "directly". Therefore, indirectly reads on the claims. (See note below).

Note: USPTO interprets claims, giving claims their "broadest reasonable interpretation."  
(See, e.g., *In re Morris*, 127 F.3d 1048, 1054-55 (Fed. Cir. 1997)).

### ***Conclusion***

9. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after

Art Unit: 2839


the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

### **Contact**

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Javaid Nasri whose telephone number is 571 272 2095. The examiner can normally be reached on Monday to Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tulsidas C. Patel can be reached on 571 272 2800 ext 39. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

  
Javaid Nasri



Application/Control Number: 10/691,803

Page 8

Art Unit: 2839

Primary Examiner  
Art Unit 2839

JN

Jhn

June 27, 2006